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# K-12

## Web security designed to enable K-12 learning, not block it

Today's K-12 schools face opportunities and challenges that were never imagined by previous generations. The Internet has opened a new world of learning resources, while the growth of mobile technology has put these resources into the hands of students and teachers both in and out of the classroom. Added to these challenges are increased targeting of schools by criminal hackers bent on accessing student data.

### **K-12 Schools face increasing security challenges:**

- ✓ Maintaining CIPA, HIPAA and other regulatory compliance, while ensuring network availability and access to learning tools
- ✓ Protecting increasing amounts of private student data kept on school networks from advanced threats
- ✓ Securing mobile users and BYOD easily, whether on or off school grounds



## The iboss Secure Web Gateway Platform Protects Students and the School Network

The iboss Secure Web Gateway Platform enables modern learning with next-generation features that protect student data, maintain regulatory compliance and defend the school network against advanced threats and malware.

**The iboss Secure Web Gateway Platform provides unmatched value for today's technology-enabled schools:**

- ✓ Protect student data with exclusive network anomaly detection and containment, stopping threats and data loss other solutions miss
- ✓ Secure mobile devices and BYOD on or off network with integrated cloud security and MDM
- ✓ Safely access learning tools such as YouTube and Google with school-specific functionality

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## Education Solutions

iboss' powerful Secure Web Gateway Platform delivers unrivaled protection that enforces CIPA and other regulations, while enabling mobile learning and safe Web access. Only iboss provides content-aware stream-based technology, for visibility and control across all the Web streams on your network. And iboss offers proprietary education-focused features with unmatched ease-of-use and low total cost of ownership (TCO).



## iboss Education-Focused Features

- ✓ App and Social Media Controls
  - ✓ Multi-layered Proxy Enforcement
  - ✓ Advanced Data Theft Defense
  - ✓ Google Management
  - ✓ Intelligent Bandwidth Shaping
  - ✓ BYOD Management
  - ✓ Reporting and Desktop Recorder
  - ✓ MobileEther MDM DEP support
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## Web Filtering for CIPA Compliance

iboss protects students from inappropriate Web content to ensure your school or library is complying with CIPA rules and can qualify for valuable E-Rate funds. The extensive URL database is classified into categories for easy and efficient policy enforcement while iboss real-time threat defense protects against damaging malware and other exploits. The integrated Threat and Event Console Reporter provides forensic-level compliance reporting and live dashboards for instant visibility across the school network, allowing you to mitigate problems before they can cause damage.

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## Advanced Application Management and Safe Social Media

With more students participating in social media via mobile devices, and thousands of mobile applications, schools need security that can enable learning and protect against inappropriate content. iboss content-aware application scanning with deep packet inspection (DPI) provides granular control over social media and blocks unwanted applications.

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## Single Sign-On (SSO) Authentication for Chromebook and Android BYOD

With more Google Chromebooks in schools IT departments are faced with the challenge that there's no native way to apply school policies per student or teacher. iboss solves this dilemma with directory binding via Google credentials, providing streamlined SSO authentication and

accurate policy enforcement that also binds Android BYOD users. Users who refuse to use their Google credentials can be denied access to the school network, preventing unmonitored use.

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## Multi-layered Proxy Enforcement Prevents Circumvention

Students who try to circumvent your school's Web security solution are often assisted by Web proxies designed to enable anonymous browsing. iboss technology immediately identifies and secures circumvention attempts using a hybrid cloud database.

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## Protection against Data Breaches

Private information on minors is considered a high-value target and protecting it is critical. iboss' exclusive Network Anomaly Detection defends against APTs and targeted attacks with patented technology that monitors outbound data movement, detects anomalies, alerts, and contains the data before loss can occur. No other vendor offers this exclusive technology.

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## Google Security Features

iboss offers expanded options to deal with the new Google policy that replaces nosslsearch with forcesafesearch.google.com, which eliminates redirects of Google HTTPS (SSL traffic) to HTTP (non-SSL), but instead allows access to the encrypted (SSL) version of the site while enforcing safety mode. iboss options offer selective decryption that preserves safe use of the learning resources YouTube and Google provide.

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## Intelligent Bandwidth Shaping

The increasing volume of mobile devices in schools puts demands on bandwidth that can impede network availability for critical tasks such as testing. iboss Intelligent Bandwidth Throttling delivers granular control of bandwidth during peak usage hours so network availability is never jeopardized.

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## BYOD (bring your own device) Management

iboss integrates BYOD security to extend CIPA compliance and school usage policies to students on their personal mobile devices. iboss also identifies BYOD users not using a NAC and provides a captive portal that binds users to your network directory or LDAP automatically, assuring

consistent policy enforcement regardless of device ownership.

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## Threat and Event Reporting and Desktop Recorder

iboss integrates powerful network insight and forensic intelligence with features that include drill-down reporting, dynamic geo-mapping, real-time dashboards and exclusive desktop recording.

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## MobileEther DEP support

School IT departments that must deal with school-owned iPads are burdened by having to manually enroll devices each year. iboss MobileEther lessens that burden by providing automated DEP support allowing you to easily enroll devices without having to handle them individually.

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